Contents

Marine Geology Volume 121, 1994

Regular Research Papers

Environmental setting, morphology and volumetric evolution of the Middelkerke Bank (southern North Sea)
J. Lanckneus, G. De Moor and A. Stolk 1

Storm influences on a tidal sandbank's surface (Middelkerke Bank, southern North Sea)
R. Houthuys, A. Trentesaux and P. De Wolf 23

Surficial sedimentology of the Middelkerke Bank (southern North Sea)
A. Trentesaux, A. Stolk, B. Tessier and H. Chamley 43

Architecture and long term evolution of a tidal sandbank: The Middelkerke Bank (southern North Sea)
S. Berné, A. Trentesaux, A. Stolk, T. Missiaen and M. de Batist 57

Special Section: Norwegian–Greenland Sea. Edited by P. Schäfer and U. Bleil

Preface 75

High-resolution uranium-series dating of Norwegian–Greenland Sea sediments: ^{230}Th vs. $\delta^{18}O$ stratigraphy
J.C. Scholten, R. Botz, H. Paetsch, P. Stoffers and M. Weinelt 77

Allochthonous versus autochthonous organic matter in Cenozoic sediments of the Norwegian Sea: Evidence for the onset of glaciations in the northern hemisphere
J.A. Hölemann and R. Henrich 87

Geochemistry of surface sediments from the mid-oceanic Kolbeinsey Ridge, north of Iceland
K.S. Lackschewitz, H.-J. Wallrabe-Adams and D. Garbe-Schönberg 105

Armoured and unarmoured till balls from the Greenland Sea floor
P.M. Goldschmidt 121

Significance of variability in *Turborotalita quinqueloba* (Natland) test size and abundance for paleoceanographic interpretations in the Norwegian–Greenland Sea
H.A. Bauch 129

Regular Research Papers

Classification of seafloor geology using multibeam sonar data from the Scotian Shelf
N.C. Mitchell and J.E. Hughes Clarke 121

Transport of suspended particulate matter in an Antarctic fjord
E.W. Domack, D.J.P. Foss, J.P.M. Syvitski and C.E. McClennen 161

Grain size trends associated with net sediment transport patterns: An example from the Belgian continental shelf
S. Gao, M.B. Collins, J. Lanckneus, G. De Moor and V. Van Lancker 171

The behaviour of a multiple bar system in the nearshore zone of Terschelling, the Netherlands: 1965–1993
B.G. Ruessink and A. Kroon 187

Abu Quir Bay, a sediment sink off the northwestern Nile delta, Egypt
O.E. Frihy, A.A. Moussa and D.J. Stanley 199

Seismic stratigraphy of the southeastern Black Sea shelf from high-resolution seismic records
M. Okyar, V. Ediger and M. Ergin 213

Late Quaternary evolution of the French Guiana continental shelf: Evidence from 3.5 kHz data
M. Frappa and M. Pujos 231

Surface oceanographic changes in the eastern Labrador Sea: Nannofossil record of the last 31,000 years
A. Rahman and A. de Vernal 247

Evolution of sediment fluxes from the Middle Miocene to present at ODP Site 817 (Townsville Basin, northeastern Australia) as a record of regional paleogeographic events
P. Cotillon, B. Rouselle, B. Courtinat and J.-P. Crumière 265

Late Quaternary *Halimeda* bioherms and aragonitic faecal pellet-dominated sediments on the carbonate platform of the western continental shelf of India
V.P. Rao, M. Veerayya, R.R. Nair, P.A. Dupeuble and M. Lamboy 293

Solid-phase manganese in Southeast Atlantic sediments: Implications for the paleoenvironment
F.X. Gingele and S. Kasten 317

Book Reviews

Simulating Nearshore Environments, by *P.A. Martinez and J.W. Harbaugh* — J. van de Graaff 333

An Introduction to Marine Biogeochemistry, by *Susan M. Libes* — Richard G. Keil 333

Coral Reef Ecology, by *Y.I. Sorokin* — J.A.E.B. Hubbard 335

Mechanics of Coastal Sediment Transport, by *J. Fredsøe and R. Deigaard* — Kerry Black 336

1994 Year-End Index 337